T08T0T" 906Th00T

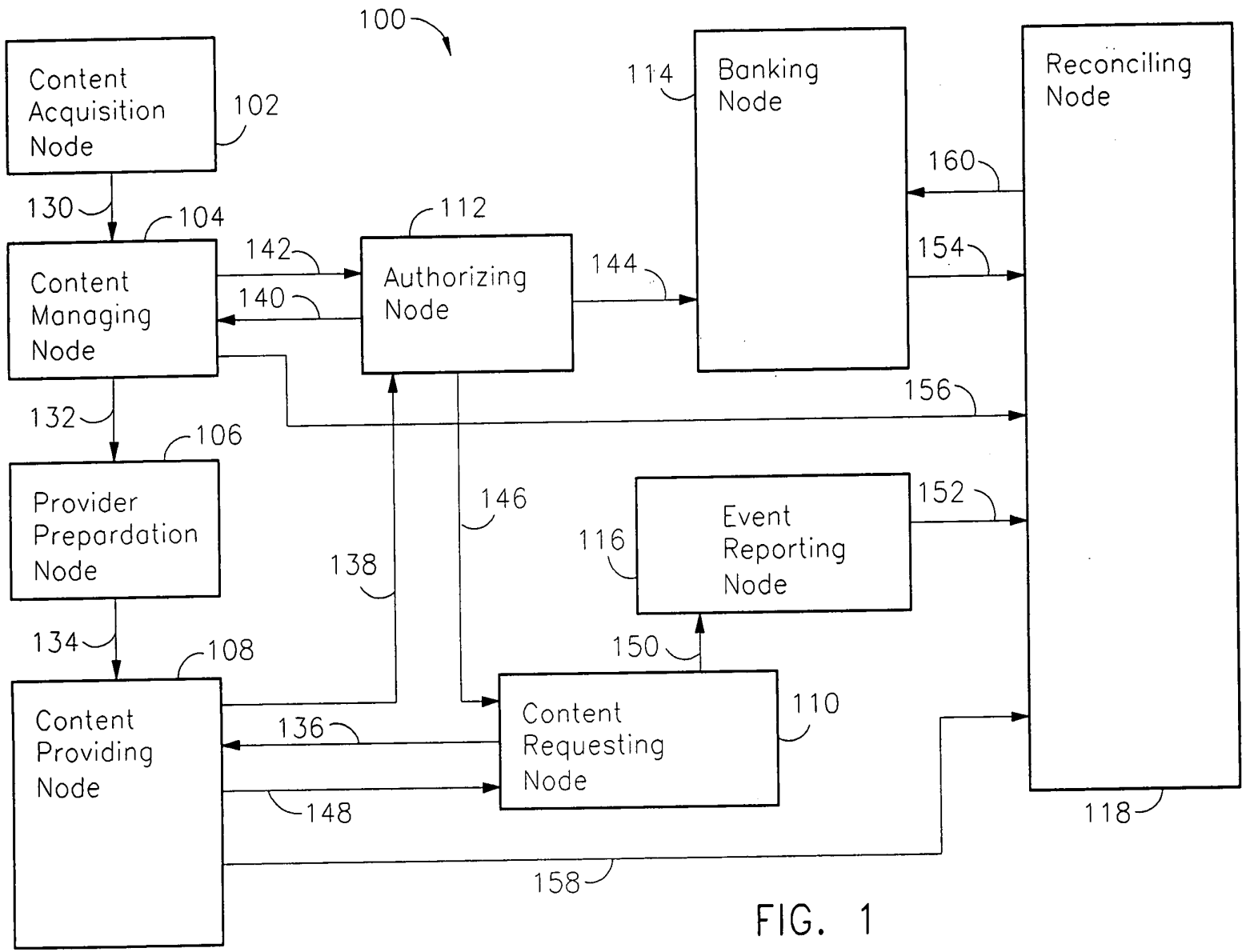

FIG. 1

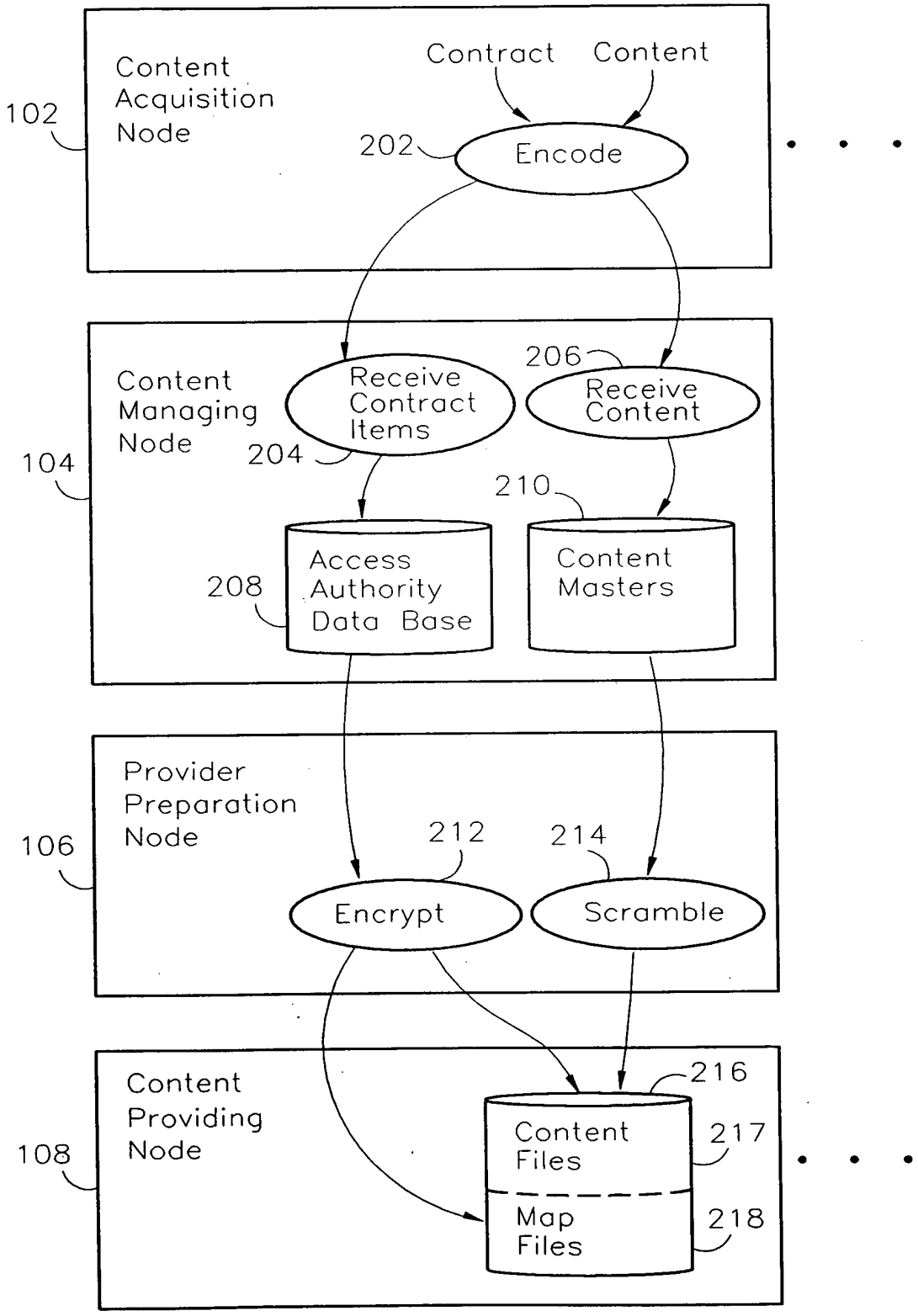
Content Acquisition Node
102
Contract
Content
202
Encode
Content Managing Node
104
Receive Contract Items
204
206
Receive Content
210
Access Authority Data Base
208
Content Masters
Provider Preparation Node
106
212
214
Encrypt
Scramble
Content Providing Node
108
216
Content Files
217
Map Files
218

FIG. 2

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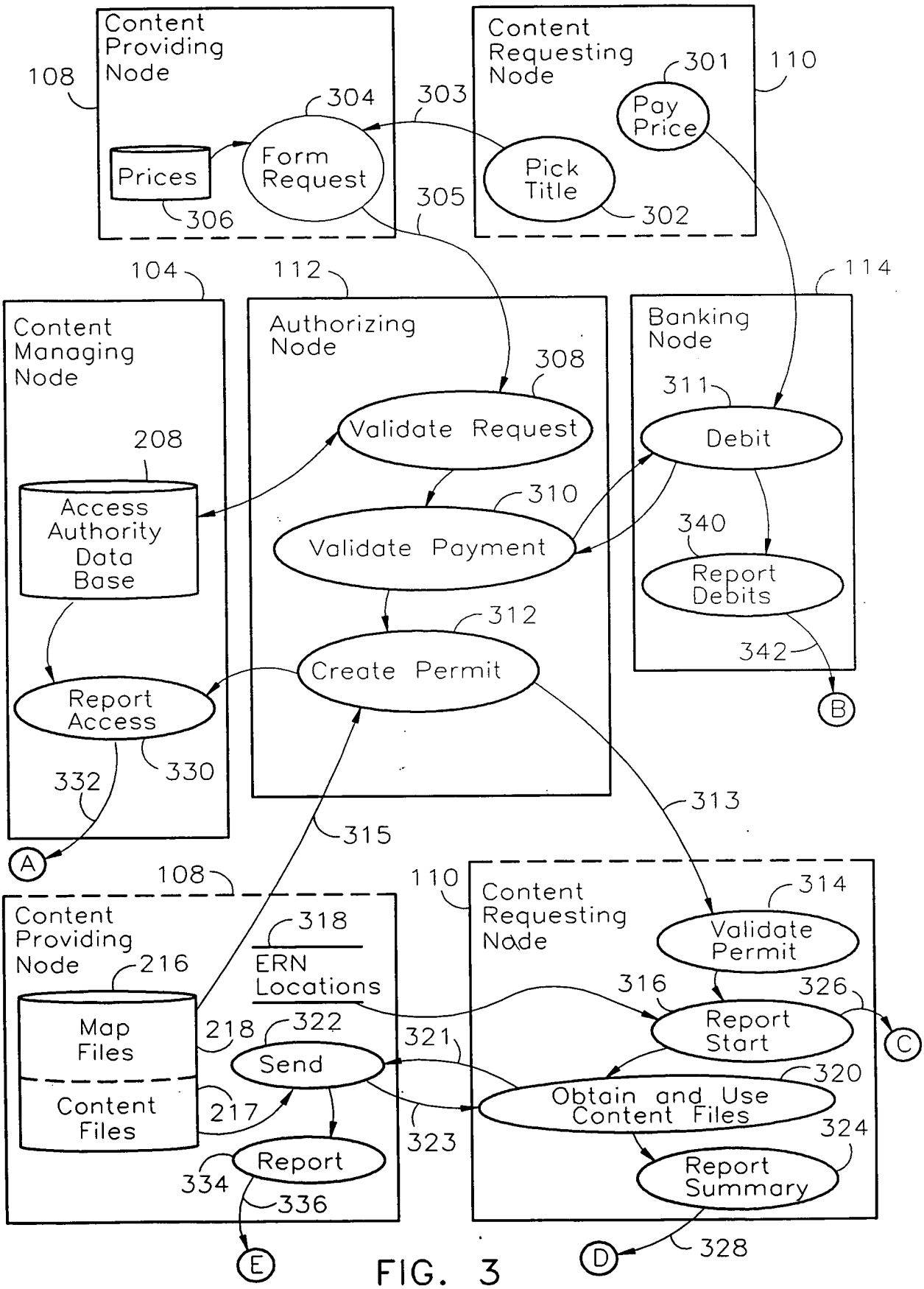

FIG. 3

Facsimile Sample

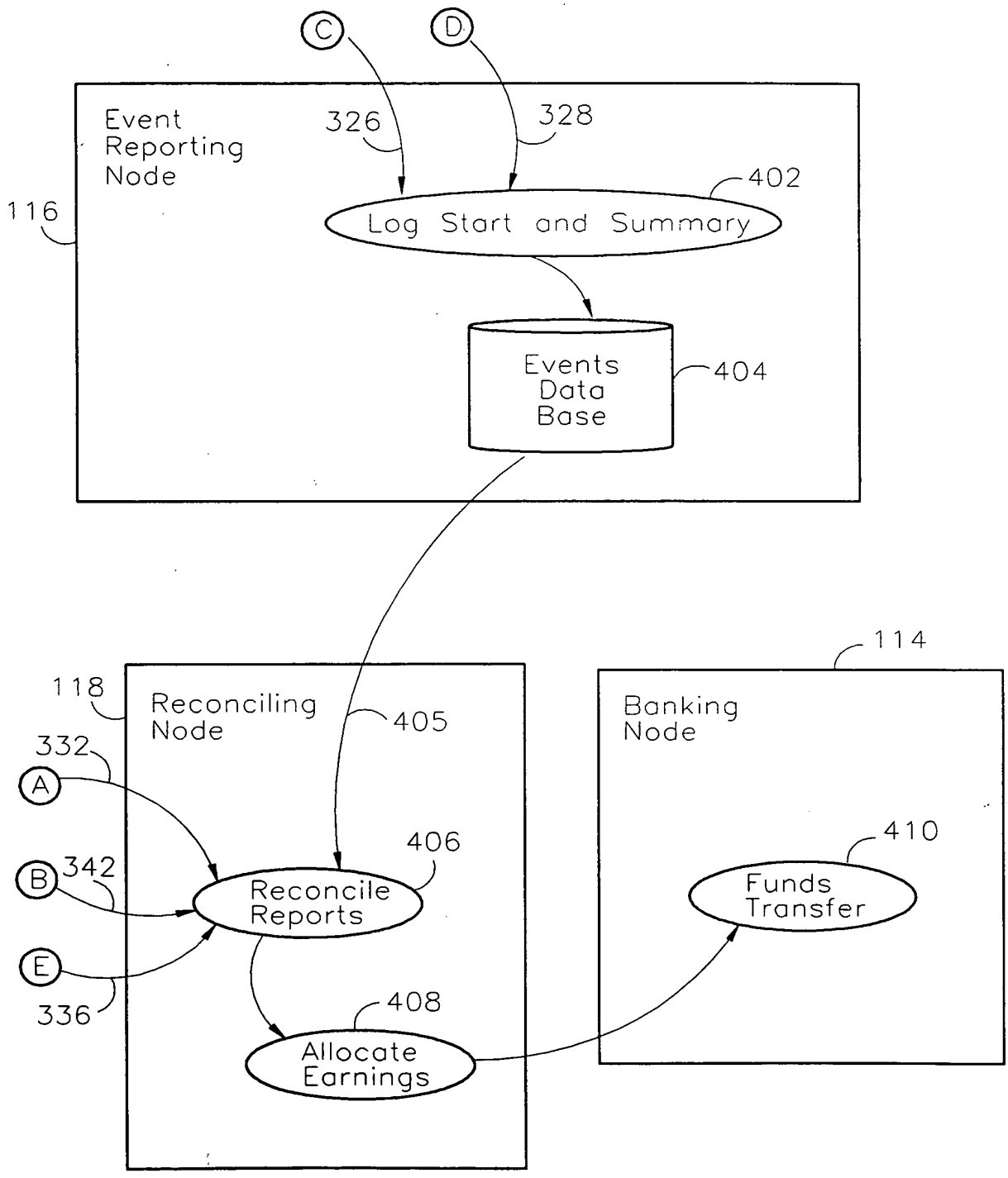

FIG. 4

Patent Application Publication

502

	Report					Reconciliation Result
	A	B	C	D	E	
504	Y	Y	Y	Y	Y	Normal request/payment
506	Y	Y	N	N	X	Failed CRN
508	N	N	Y	X	X	Failed CRN
510	N	N	X	Y	X	Failed CRN

Y = Yes

N = No

X = Don't Care

FIG. 5

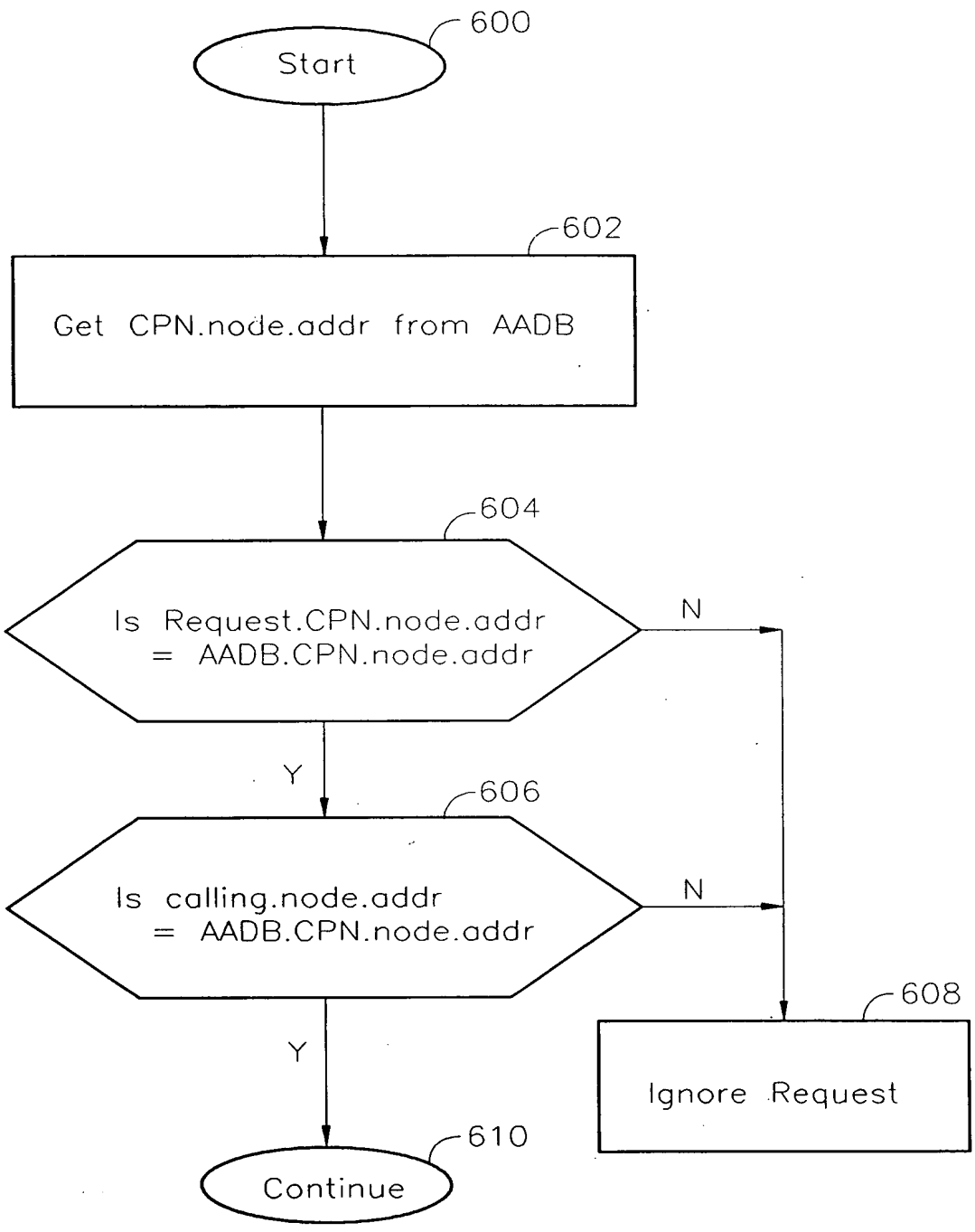
600
Start
602
Get CPN.node.addr from AADB
604
Is Request.CPN.node.addr = AADB.CPN.node.addr
N
Y
606
Is calling.node.addr = AADB.CPN.node.addr
N
Y
608
Ignore Request
610
Continue

FIG. 6

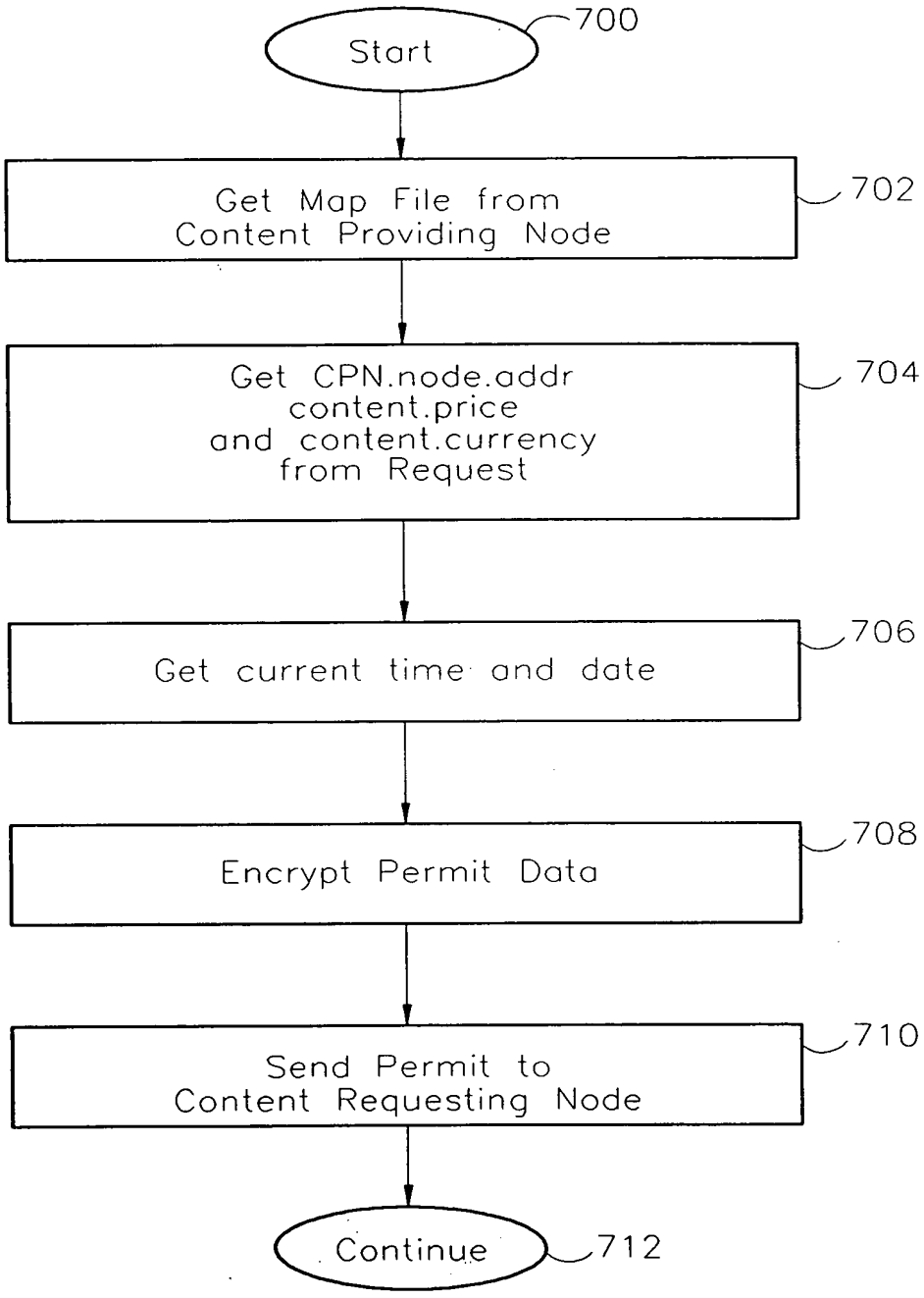
Start
700
Get Map File from Content Providing Node
702
Get CPN.node.addr content.price and content.currency from Request
704
Get current time and date
706
Encrypt Permit Data
708
Send Permit to Content Requesting Node
710
Continue
712

FIG. 7

Attorney Docket No. 50277-0800

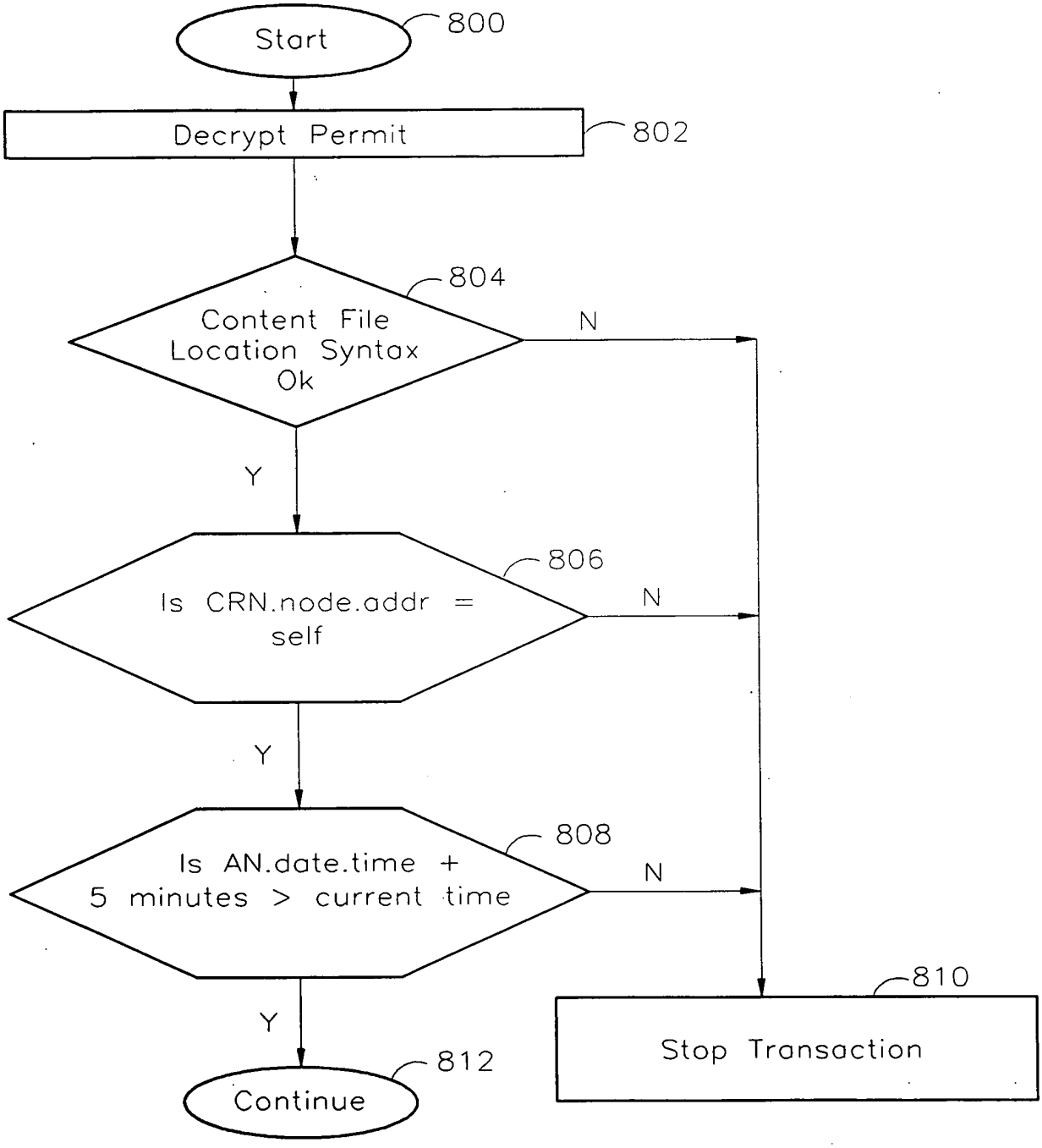

FIG. 8

Document: 4 of 5 Prosecution

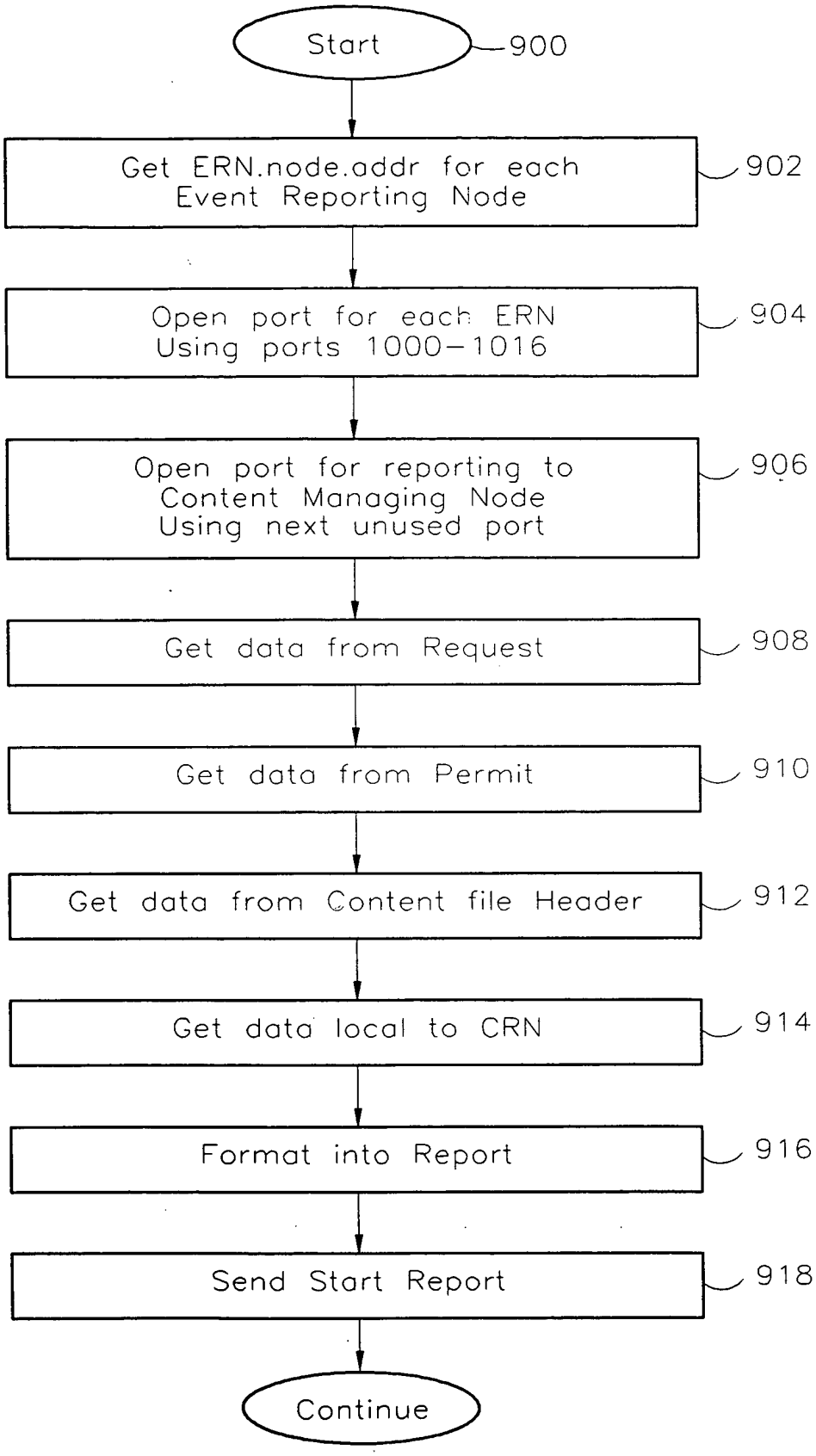

FIG. 9

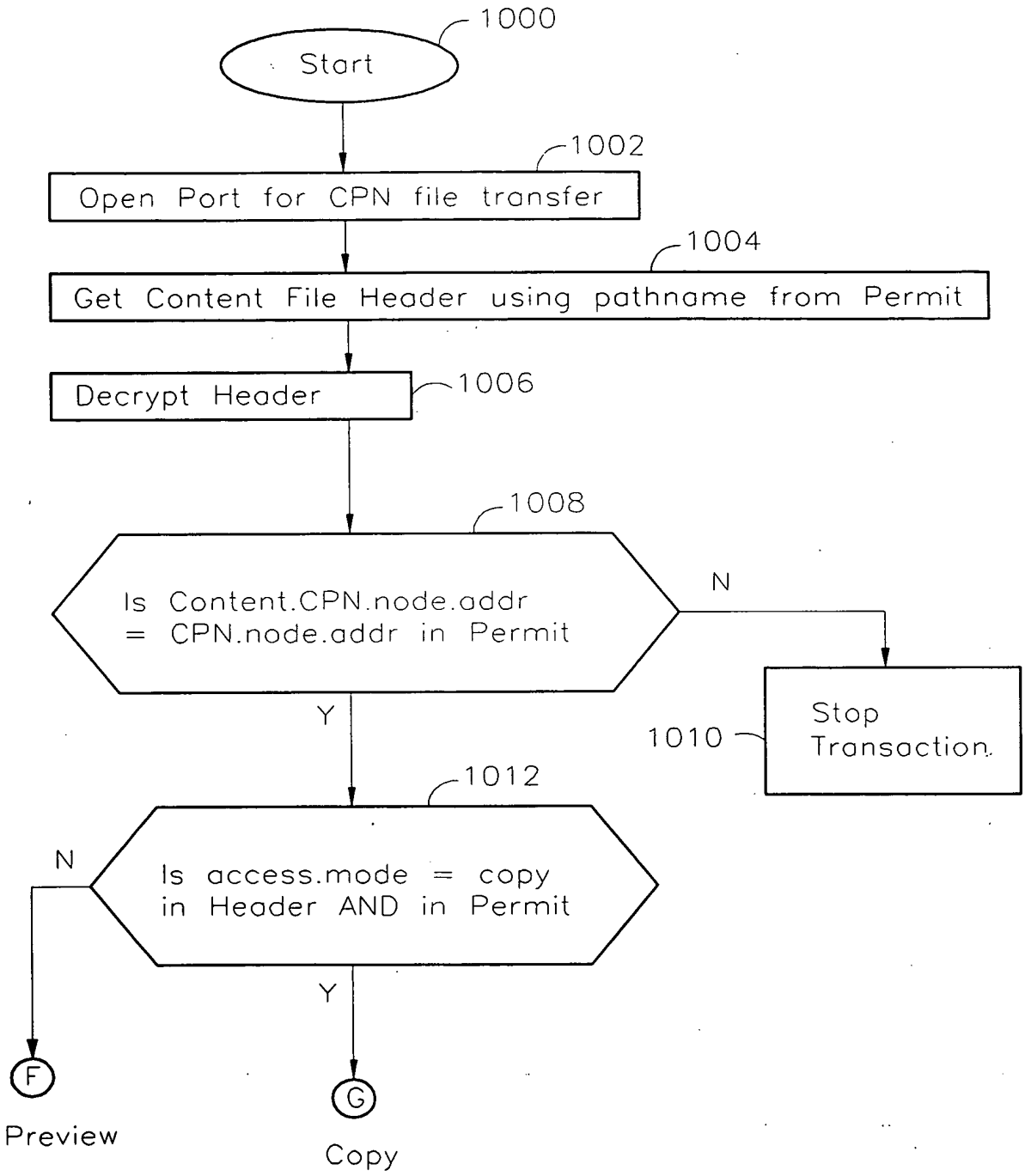
1000
Start
1002
Open Port for CPN file transfer
1004
Get Content File Header using pathname from Permit
Decrypt Header
1006
1008
Is Content.CPN.node.addr
= CPN.node.addr in Permit
N
Y
1010
Stop
Transaction
1012
N
Is access.mode = copy
in Header AND in Permit
Y
F
Preview
G
Copy

FIG. 10

FOSTER SWIFT

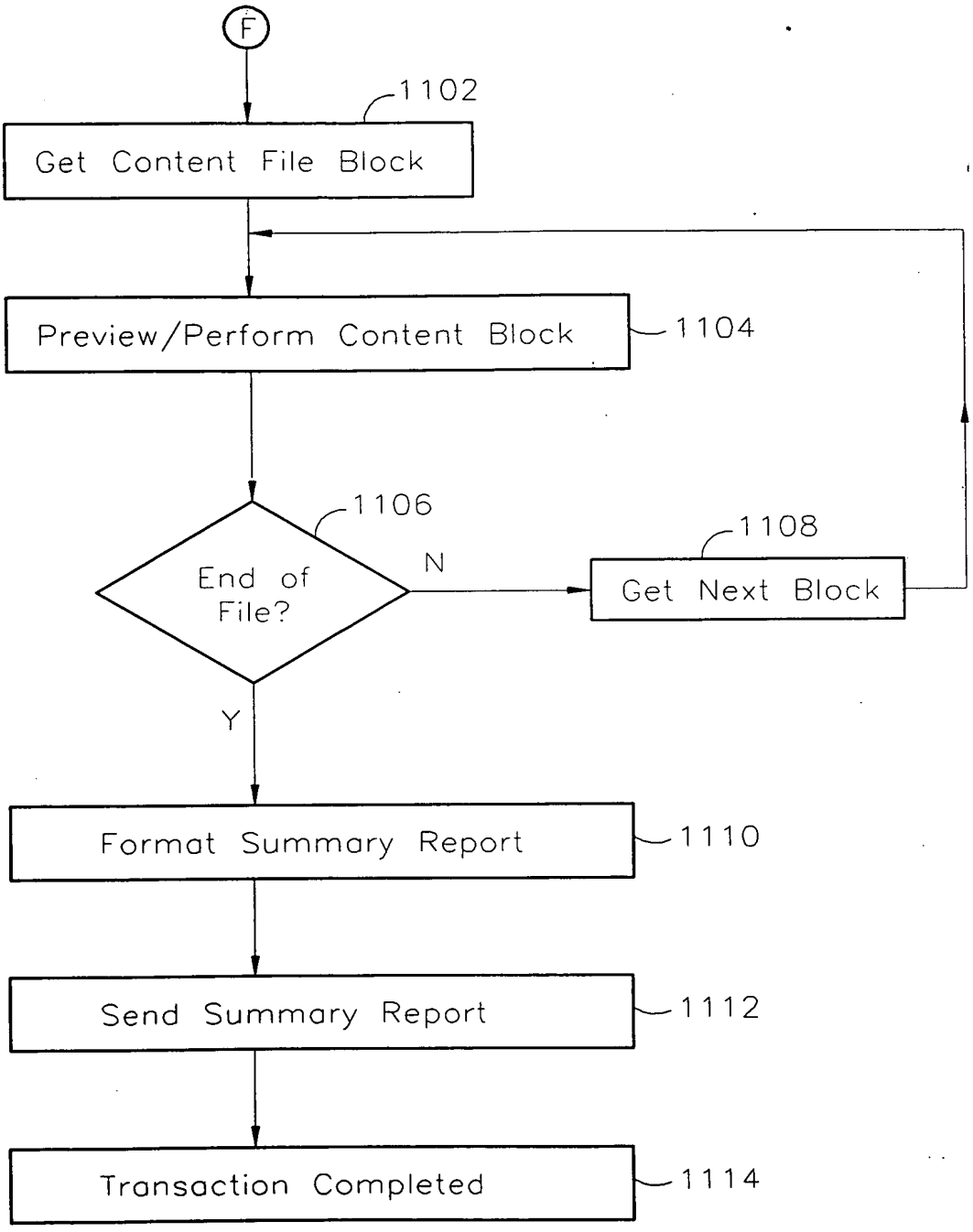

FIG. 11

Attorney Docket No.: 50277-0004

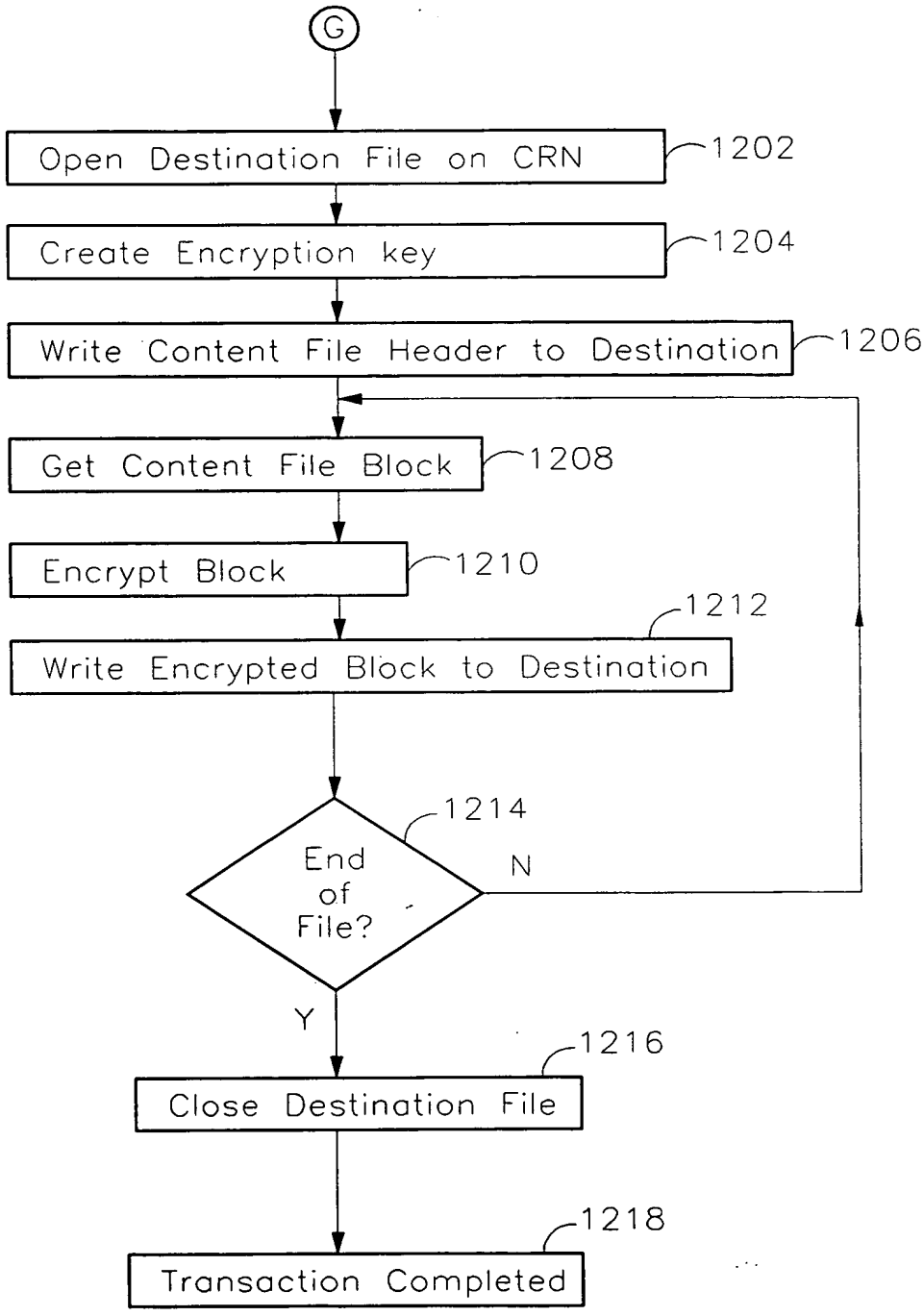

FIG. 12

1300

MAP FILE
map.content.version
map.CPN.node.address.pathname.quality.level 1
map.CPN.node.address.pathname.quality.level 2
map.CPN.node.address.pathname.quality.level 3
. . .
map.CPN.node.address.pathname.quality.level N

FIG. 13

Attorney Docket No.

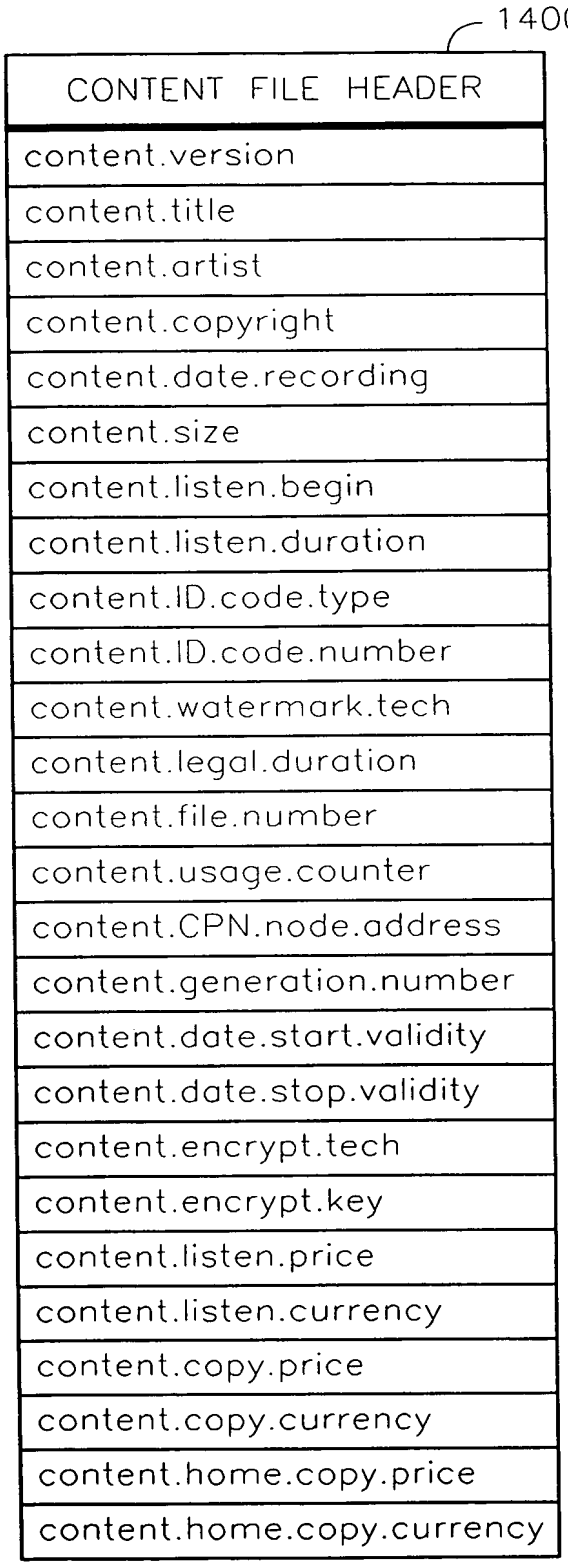

FIG. 14

1500

REQUEST
request.map.pathname
request.access.mode
request.sound.quality
request.content.price
request.content.currency
request.CRN.node.address
request.CRN.username
request.CRN.password
request.CPN.node.address
request.CPN.product.name
request.CPN.product.number
request.CRN.node.address.transaction.number

FIG. 15

1600

PERMIT
map.content.version
map.CPN.node.address.pathname.quality.level 1
map.CPN.node.address.pathname.quality.level 2
map.CPN.node.address.pathname.quality.level 3
. . .
map.node.address.pathname.quality.level N
request.content.price
request.content.currency
permit.CPN.node.address
permit.AN.date.time

FIG. 16

1700

START REPORT
request.CRN.node.address.transaction.number
request.CRN.node.address
request.CRN.username
request.CRN.password
request.access.mode
start.report.date.time
content.title
content.artist
content.copyright
content.legal.duration
content.ID.code.type
content.ID.code.number
content.CPN.node.address
content.file.number
start.report.CRN.encrypt.key
request.content.price
request.content.currency
request.sound.quality
permit.map.CPN.node.address.pathname.quality.level[x]
start.report.CRN.timezone
start.report.CRN.language
start.report.CRN.keyboard

FIG. 17

Express Mail No. EV 339 454 905 US

1800

SUMMARY REPORT
request.CRN.node.address.transaction.number
request.CRN.node.address
request.CRN.username
request.CRN.password
content.ID.code.type
content.ID.code.number

FIG. 18

1900

ACCESS REPORT
content.title
content.artist
content.copyright
content.legal.duration
content.ID.code.type
content.ID.code.number
content.CPN.node.address
content.file.number
access.territory.rightowners
content.price
content.currency
request.CRN.node.address.transaction.number

FIG. 19

Attorney Docket No. 50277-1603

2000

DEBIT REPORT
content.ID.code.type
content.ID.code.number
content.CPN.node.address
request.CPN.product.name
request.CPN.product.number
debit.date.time
request.CRN.username
request.CRN.password
request.content.price
request.content.currency
request.CRN.node.address.transaction.number

FIG. 20

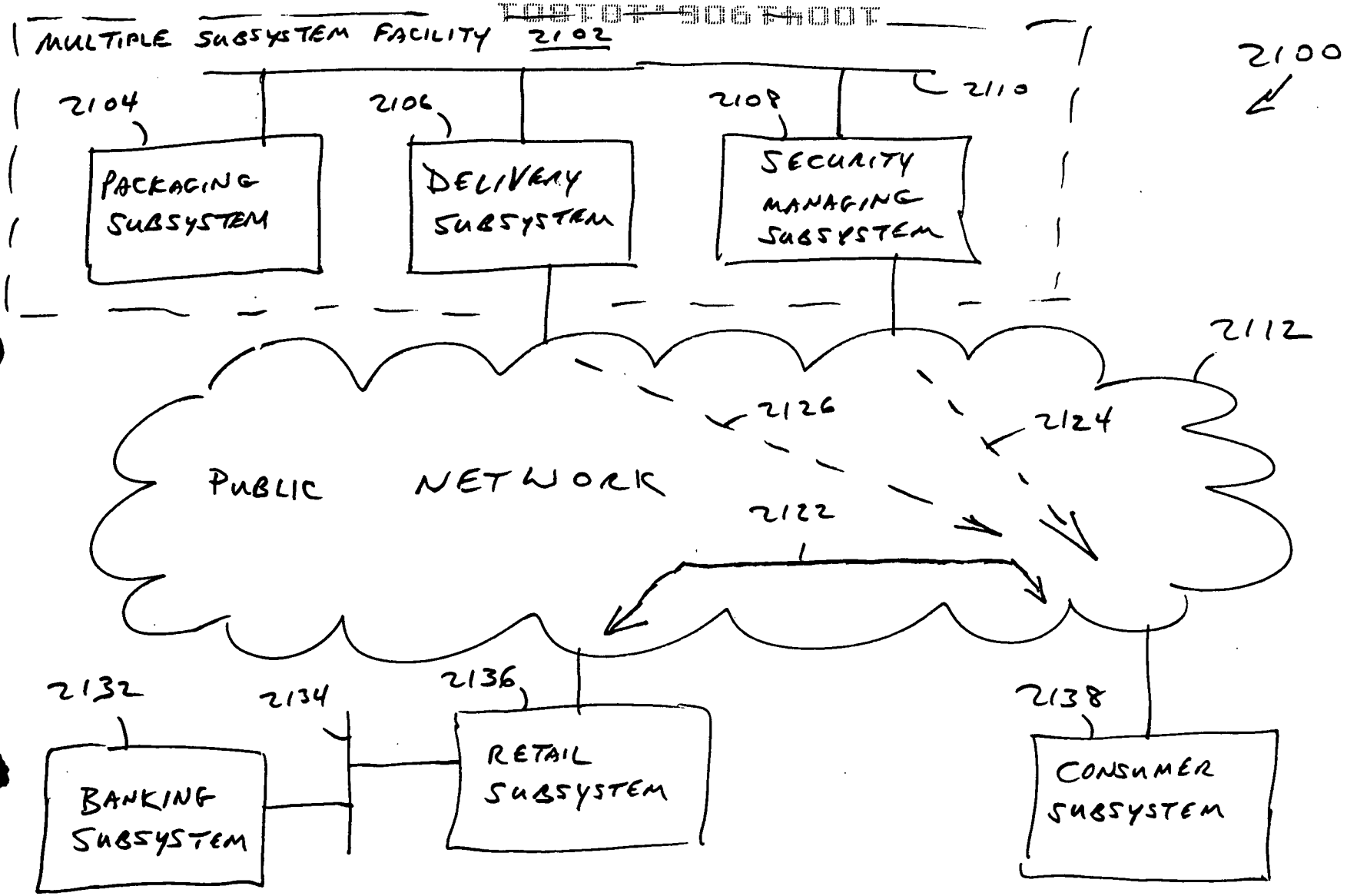
MULTIPLE SUBSYSTEM FACILITY 2102
2100
2104
2106
2108
2110
PACKAGING SUBSYSTEM
DELIVERY SUBSYSTEM
SECURITY MANAGING SUBSYSTEM
2112
2126
2124
PUBLIC NETWORK
2122
2132
2134
2136
2138
BANKING SUBSYSTEM
RETAIL SUBSYSTEM
CONSUMER SUBSYSTEM

FIG. 21

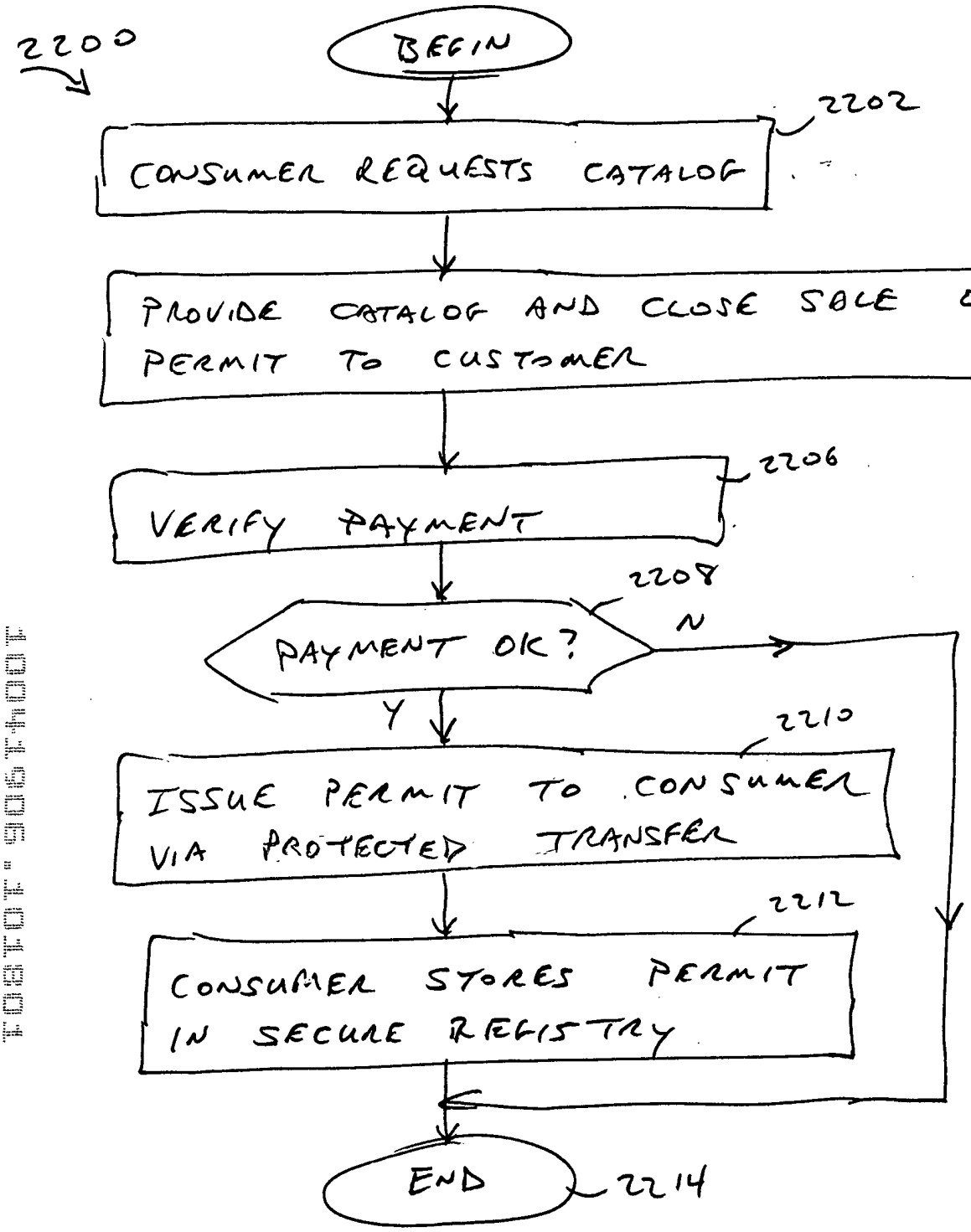
2200
BEGIN
2202
CONSUMER REQUESTS CATALOG
2204
PROVIDE CATALOG AND CLOSE SALE OF PERMIT TO CUSTOMER
2206
VERIFY PAYMENT
2208
PAYMENT OK?
N
Y
2210
ISSUE PERMIT TO CONSUMER VIA PROTECTED TRANSFER
2212
CONSUMER STORES PERMIT IN SECURE REGISTRY
END
2214

FIG. 22

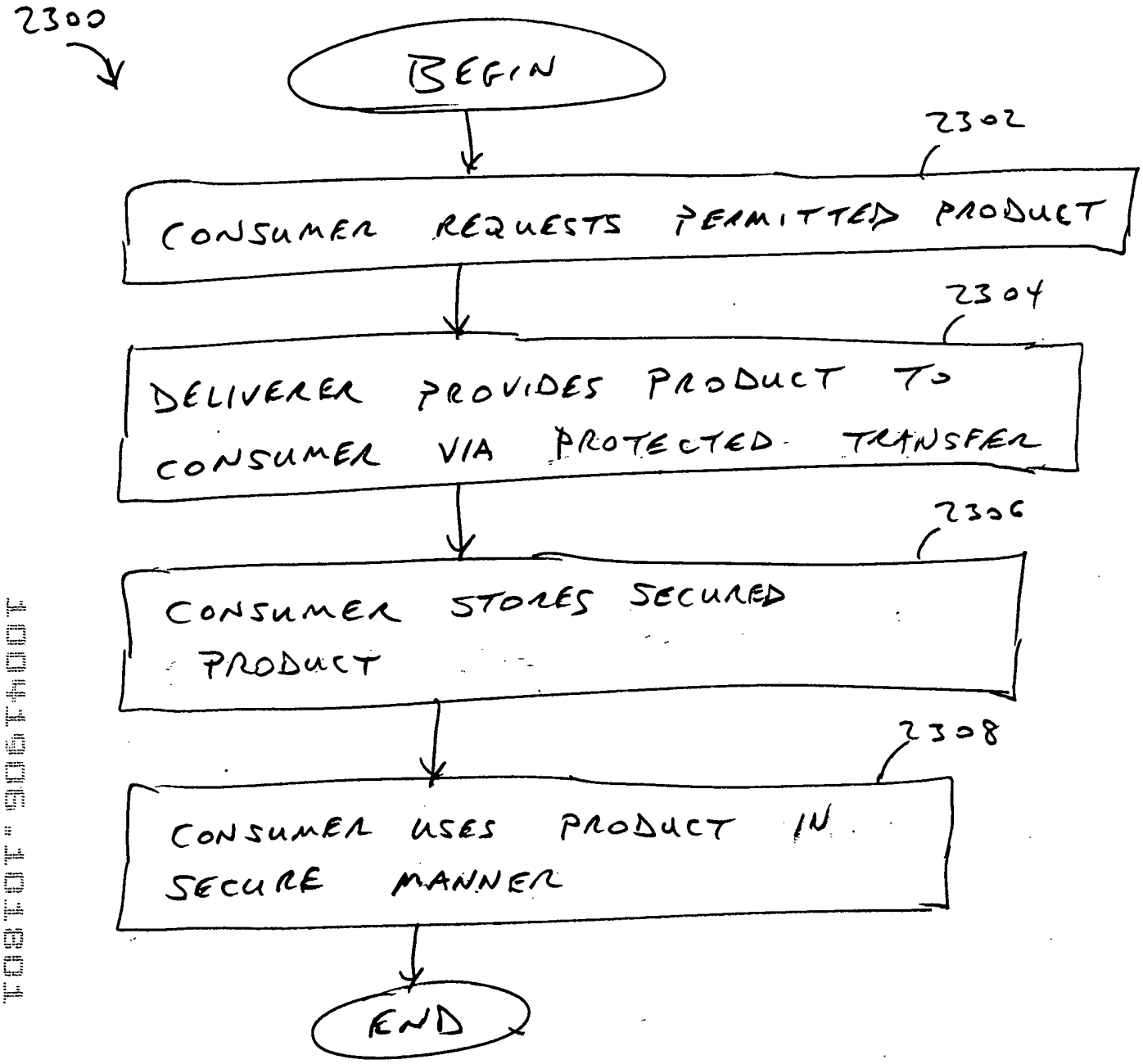
2300
BEGIN
2302
CONSUMER REQUESTS PERMITTED PRODUCT
2304
DELIVERER PROVIDES PRODUCT TO CONSUMER VIA PROTECTED TRANSFER
2306
CONSUMER STORES SECURED PRODUCT
2308
CONSUMER USES PRODUCT IN SECURE MANNER
END

FIG. 23

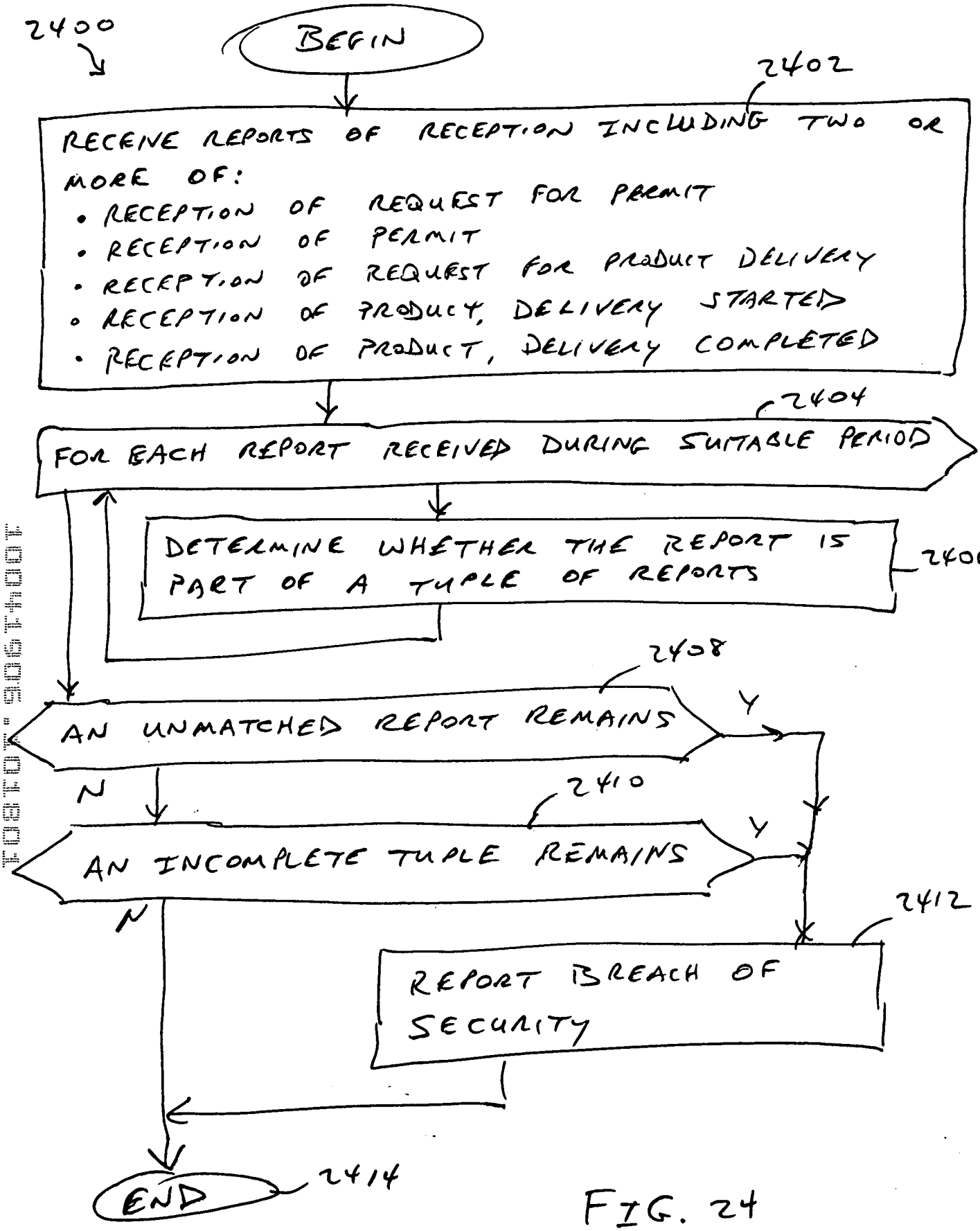
2400
BEGIN
2402
RECEIVE REPORTS OF RECEPTION INCLUDING TWO OR MORE OF:
• RECEPTION OF REQUEST FOR PERMIT
• RECEPTION OF PERMIT
• RECEPTION OF REQUEST FOR PRODUCT DELIVERY
• RECEPTION OF PRODUCT DELIVERY STARTED
• RECEPTION OF PRODUCT DELIVERY COMPLETED
2404
FOR EACH REPORT RECEIVED DURING SUITABLE PERIOD
DETERMINE WHETHER THE REPORT IS PART OF A TUPLE OF REPORTS
2406
2408
AN UNMATCHED REPORT REMAINS
Y
N
2410
AN INCOMPLETE TUPLE REMAINS
Y
N
2412
REPORT BREACH OF SECURITY
END
2414

FIG. 24

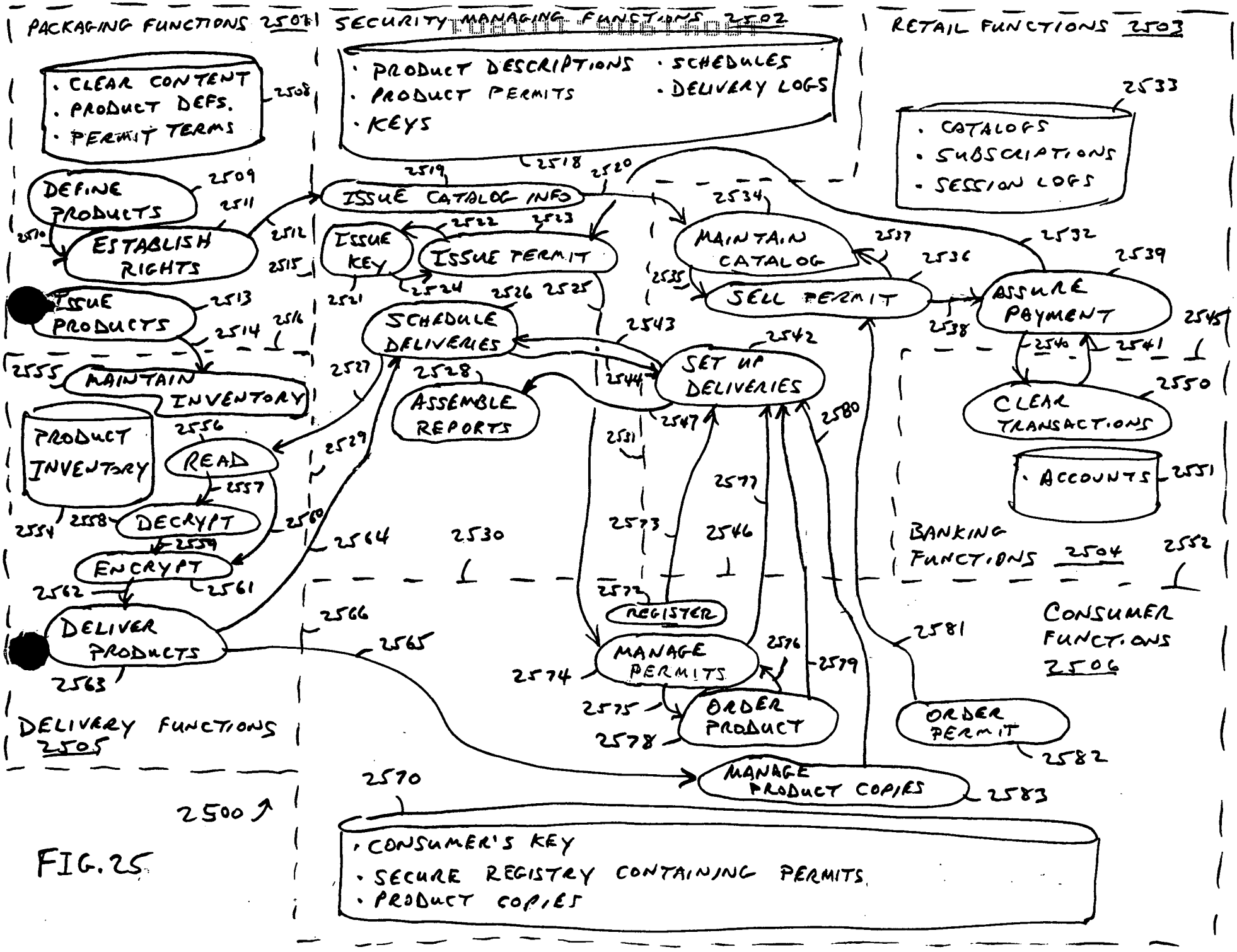
PACKAGING FUNCTIONS 2501
SECURITY MANAGING FUNCTIONS 2502
RETAIL FUNCTIONS 2503
• CLEAR CONTENT
• PRODUCT DEFS.
• PERMIT TERMS
2508
• PRODUCT DESCRIPTIONS
• PRODUCT PERMITS
• KEYS
• SCHEDULES
• DELIVERY LOGS
2518
2533
• CATALOGS
• SUBSCRIPTIONS
• SESSION LOGS
DEFINE PRODUCTS
2509
ESTABLISH RIGHTS
2510
2511
2512
2515
ISSUE PRODUCTS
2513
2514
2516
MAINTAIN INVENTORY
2555
PRODUCT INVENTORY
2556
READ
2557
DECRYPT
2554
2558
2560
ENCRYPT
2559
2562
2561
DELIVER PRODUCTS
2563
DELIVERY FUNCTIONS 2505
2519
ISSUE CATALOG INFO
2520
ISSUE KEY
2521
2522
ISSUE PERMIT
2523
2524
2526
2525
SCHEDULE DELIVERIES
2527
2528
ASSEMBLE REPORTS
2529
2564
2530
2534
MAINTAIN CATALOG
2537
2536
2535
SELL PERMIT
2538
2543
2542
SET UP DELIVERIES
2544
2547
2531
2577
2573
2546
2580
2572
REGISTER
MANAGE PERMITS
2574
2576
2579
2575
ORDER PRODUCT
2578
2566
2565
2581
2532
2539
ASSURE PAYMENT
2545
2540
2541
2550
CLEAR TRANSACTIONS
• ACCOUNTS
2551
BANKING FUNCTIONS 2504
2552
CONSUMER FUNCTIONS 2506
ORDER PERMIT
2582
MANAGE PRODUCT COPIES
2583
2570
• CONSUMER'S KEY
• SECURE REGISTRY CONTAINING PERMITS
• PRODUCT COPIES
2500

FIG. 25

REQUEST1 FOR PERMIT (2581)
request1.consumer.transaction.id
request1.consumer.node.address
request1.consumer.host.id
request1.consumer.public.key
request1.product.identifier
request1.product.price
request1.product.currency
request1.product.delivery.mode
request1.product.delivery.date.time

FIG. 26A

REQUEST2 FOR PERMIT (2532)
request1.consumer.transaction.id
request1.consumer.node.address
request1.consumer.host.id
request1.consumer.public.key
request1.product.identifier
request1.product.delivery.mode
request1.product.delivery.date.time

FIG. 26B

PERMIT (2525)
permit.version
permit.id
request1.consumer.transaction.id
request1.consumer.node.address
request1.consumer.host.id
request1.product.identifier
permit.product.usage.rights
permit.product.key
request1.product.delivery.mode
request1.product.delivery.date.time
permit.seal

FIG. 26C

REQUEST3 FOR DELIVERY (2579, 2543)
permit.version
permit.id
request1.consumer.transaction.id
request1.consumer.node.address
request1.consumer.host.id
request3.consumer.date.time
request1.product.identifier
permit.product.usage.rights
permit.product.key
request1.product.delivery.mode
request1.product.delivery.date.time
permit.seal

FIG. 26D

REQUEST4 FOR DELIVERY (2527)
request1.consumer.transaction.id
request1.consumer.node.address
request1.consumer.host.id
request1.product.identifier
request1.product.delivery.mode
request1.product.delivery.date.time
request4.packaging.decryption.key
request4.delivery.encryption.key
permit.product.key

FIG. 26E

HEADER FOR DELIVERY OF PRODUCT (STEAMING OR DOWNLOAD) (2565)
request1.consumer.transaction.id
request1.consumer.node.address
request1.consumer.host.id
request1.product.identifier
permit.product.key

FIG. 26F

REPORT1 FROM CONSUMER (2580)
request1.consumer.transaction.id
request1.consumer.node.address
request1.consumer.host.id
permit.id
request1.product.identifier
report1.status.message

FIG. 26G

REPORT2 FROM DELIVERER (2564)
request1.consumer.transaction.id
request1.consumer.node.address
request1.consumer.host.id
permit.id
request1.product.identifier
report2.status.message

FIG. 26H

REPORT3 FROM SECURITY MANAGER (2544)
request1.consumer.transaction.id
request1.consumer.node.address
request1.consumer.host.id
permit.id
request1.product.identifier
report3.status.message

FIG. 26I